Avocent® DSView™ 4 Management Software Release Notes
Release 4.1.0.166
September 12, 2014

This document outlines:

1. Install/Update Instructions

2. Language Support Information

3. Client Browser Support Information

4. Server Operation System Support Information

5. Change Log Information (Fixed Issues)

6. Known Issues

7. Plug-In Information and Versions

8. Viewer Versions

===

1.   Install/Update Instructions

===

NOTE: This document is an addendum to the DSView™ 4 software user documentation and contains information regarding the patches applied to DSView™ 4 software since the last DSView™ 4 software full release.

This patch updates DSView™ 4 software version 4.1.0.141 (May 31, 2014) to the latest version of DSView™ 4 Software (shown above). This patch is provided as a full installation package of the DSView™ management software. In order to install DSView™ 4 software on the same server as DSView™ 3 software, the DSView™ 3 software must first be backed up and uninstalled before attempting to install the new software.

NOTE: DSView™ 4 software must be installed on a 64 bit server class machine. During the DSView™ 4 software installation, the user will have the option to install PostgreSQL or point to an existing instance of the database.

To install the DSView™ 4 software for the first time:

NOTE: You must be logged in as a local administrator.

1. Begin the DSView™ 4 software installation using one of the following methods:

    a. For installation on a supported Windows system: Run the setup.exe and then follow the on-screen instructions.

    b. For installation on a Linux system: From a command line, type **./install.bin**,
        sh install.bin or **bash install.bin**, then follow the on-screen instructions.

        i. For SUSE Linux users: Update "/etc/hosts" file with <Short-Hostname> of the server. Then, run "hostname <Short-Hostname>" from the command line before installing DSView™ 4 software.

    c. For installation on a Solaris system: From a command line type **./solaris.bin**, **sh solaris.bin** or **bash solaris.bin**, then follow the on-screen instructions.

2. On the PostgreSQL Installation screen, select *Existing database* to connect to a remote installation of PostgreSQL or a pre-installed PostgreSQL, or the software will install a DSView™ software pre-included version of the PostgreSQL database (version 9.0.13).
3. Modify the following PostgreSQL configuration files before using a remote installation of PostgreSQL or an existing PostgreSQL as a DSView™ 4 software database:
    a. Under the PostgreSQL Install Folder/Data folder, append "custom_variable_classes = 'symmetric'" at the end of the postgresql.conf file.
    b. Under the PostgreSQL Install Folder/Data folder, add "host all   all   <DSViewServerIP>/32   md5" to the pg_hba.conf file.
4. When the installation is complete, the DSView™ 4 software can be launched from the web browser by accessing the following URL: https://<DSViewServerIP>:<DSViewPort>/dsview.

NOTE: If installation issues are encountered, as a first step please ensure the following are true on a Windows® platform:

- The DSView™ 4 software and Postgres folders are exempt from all antivirus software scanning.
- The Secondary Login Services are enabled and started.
- The Postgres users (or User group) has permissions to cmd.exe
- In the cmd.exe shortcut (Start menu), you've right-clicked and changed the log in to %windir%

Although these suggestions do not apply in every environment, we have been able to resolve failed DSView™ 4 software installations using these steps.

To upgrade to this patch release:
NOTE: Since this patch is provided as a full installation package, you cannot manually remove this patch. You must be logged in as a local administrator, and the patch needs to be applied to each DSView™ 4 server (hub and spoke).

1. Perform a replication on all spokes in the current system.
2. Backup the DSView™ 4 server.
3. Begin the DSView™ 4 software installation using one of the following methods:

    a. For installation on a supported Windows system: Run the setup.exe and then follow the on-screen instructions.
    b. For installation on a Linux system: From a command line, type **./install.bin**, **sh install.bin** or **bash install.bin**, then follow the on-screen instructions.
        i. For SUSE Linux users: Update "/etc/hosts" file with <Short-Hostname> of the server. Then, run "hostname <Short-Hostname>" from the command line before installing DSView™ 4 software.
    c. For installation on a Solaris^{TM} system:
        i. If you are freshly installing the DSView™ 4 software: From a command line type **./solaris.bin**, **sh solaris.bin** or **bash solaris.bin**, then follow the on-screen instructions.
        ii. If you are upgrading an existing version of DSView™ 4 software lower than version 4.0.0.161 to version 4.1.0.166:
            1. As this version of installer packages PostgreSQL version 9.0.13, an automatic upgrade of PostgreSQL version is not possible. User has to manually backup the existing data in the database by executing a command such as:

> **./DSViewBackupRestore.sh -backup -archive /tmp/db_backup.zip –overwrite**

2. Uninstall the existing version of DSView™ 4 software. For example, execute the following command:
   /export/home/Emerson/DSView4/Uninstall/Uninstall_DSView4

3. Install version 4.1.0.166 of the DSView™ 4 software. For example, enter:
   ./solaris.bin

4. Once version 4.1.0.166 of DSView™ 4 software is installed, the database backup of the old version that existed before needs to be restored. For example, execute the following command: **./DSViewBackupRestore.sh -restore -archive /tmp/db_backup.zip**

5. After these steps, DSView™ 4 software would be upgraded to version 4.1.0.166, will use PostgreSQL version 9.0.13 and will also have all data that existed before in it.

To migrate from DSView™ software versions 3.7.2 to DSView™ 4 software:
NOTE: Please refer to the DSView™ 4 Management Software Transition Technical Bulletin for more detailed steps on migrating from DSView™ 3 software to DSView™ 4 software.

1. Perform a data replication between hub and all spokes in the existing DSView™ 3 software.

2. Back up the existing DSView™ 3 software using the Backup Utility or the Backup Power Manager Database (if applicable). Be sure to place the backup file in a location outside of the DSView™ 3 software directories as they will be removed during uninstallation and the file will be needed later for the data migration.

3. If the DSView™ 4 software needs to be installed in the same system, uninstall the existing DSView™ 3 software.

4. After logging in as a local administrator, begin DSView™ 4 software installation using one of the following methods:

   a. For installation on a supported Windows system: Run the setup.exe and then follow the on-screen instructions.

   b. For installation on a Linux system: From a command line, type **./install.bin**, **sh install.bin** or **bash install.bin**, then follow the on-screen instructions.

      i. For SUSE Linux users: Update "/etc/hosts" file with <Short-Hostname> of the server. Then, run "hostname <Short-Hostname>" from the command line before installing DSView™ 4 software.

   c. For installation on a Solaris system: From a command line type **./solaris.bin**, **sh solaris.bin** or **bash solaris.bin**, then follow the on-screen instructions.

5. On the PostgreSQL Installation screen, select *Existing database* to use a pre-installed version of the PostgreSQL database or to connect to a remote installation of PostgreSQL.

6. After DSView™ 4 software installation, stop the DSView™ 4 service and run the Data Migration Utility as a local administrator to migrate the DSView™ 3 data, system properties, plug-ins, appliance templates and firmware into the new system.

==

2. Language Support Information

==

The languages supported by this version of DSView™ software are English, Simplified Chinese and Japanese.

==

3. Client Browser Support Information

==

- Microsoft Internet Explorer   8 (32 bit), 9 (32 bit) or 10 (32 bit)

- Mozilla Firefox® version 17 ESR (32 bit)

- Google Chrome version 27 (32 bit)

==

4. Server Operation System Support Information

==

- Microsoft® Windows Server 2008 (x64), 2008 R2 (x64), 2012 (x64) and 2012 R2 (x64)

- SuSe® Linux Enterprise Server 10 (x64), 11(x64)

- RedHat® Enterprise Server 6.2 (x64), 6.4 (x64)

- Sun™ Solaris SPARC® 10

==

5. Change Log Information (Fixed Issues and New Features)

==

NOTE: This section applies to the DSView™ 4 software version 4.1.0.166.

- Power merges disappear from KVM targets randomly (487234-383279849)

- The Symmetric.properties file cannot be updated when restoring a db from a previous version of DSView™ software. (487234-375541153)

- When ESX IP address changed, a Virtual Center Resync would fail and throw a nullpointerexception. (487234-388783056)

- DSView™ software Radius Authentication Service now supports the RSA Next token challenge.

- Three Web Service APIs added:
  - getUserEffectiveRights
    - Function: Return the input user/user group's access right of the units and units group
  - getUserGroupAndAuthServers
    - Function: Return all the User Groups added in DSView (Include Pre-defined Roles, User Added External Groups, User Added Internal Groups)
  - getUserAndAuthServers
    - Function: Return all the Users added in DSView (Exclude Virtual User)
- DSView™ software NMM Plug-in Add/Remove Feature enhanced

- For newly-installed DSView™ software, only 11 plug-ins will be preloaded; other plug-ins used to be pre-installed can be found in the DSView™ software Optional folder and added manually.

  NOTE: Check the Plug-in Information and Versions section in these release notes for new pre-installed plug-in and optional plug-in details.

- If you upgrade DSView™ software from a previous version, the plug-in status will remain unchanged by default. No plug-in will be removed, even if it is not in the new pre-installed plug-in list.

- A user is able to remove the plug-in from the DSView™ software Plug-in screen. A plug-in can be removed if there is no any appliance currently managed by the plug-in. Remove the plug-in at both the hub and spoke, then restart the services after removing the plug-in.

- The Virtualization Plug-in now has support for Hyper-V3 on Windows 2012 R2 Server.
  NOTE: DSView™ 4 software installations on Windows 2012 R2 Server only support Hyper-V3. DSView™ 4 server support for Hyper-V3 will require the Microsoft 2012 R2 Virtual Machine Manager Console to be installed prior to adding Hyper-V3 components. We still support Hyper-V2 on Windows 2008 R2 Servers.

  Both Hyper-V environments can coexist in a single DSView™ 4 software system, but only Windows 2012 R2 Server installations will be able to communicate with Hyper-V3 environments and only Windows 2008 R2 Servers will be able to communicate with Hyper-V2 environments. Attempting to access Windows 2008 R2 Hyper-V2 environments from a Windows 2012 R2 DSView™ 4 software Hyper-V3 server will result in failure. This also applies to Windows 2012 R2 DSView™ 4 software Hyper-V3 attempting to access Windows 2008 Hyper-V2 environments.

===

6.   Known Issues

===

This release contains the following known issues:

- The Java Viewers (Serial, Video, DirectCommand, and VNC) may not launch when using the Java Runtime Environment (JRE) versions less than 1.6.0_18.

- The viewers support 32-bit browsers only.

- The Java Viewers (Serial, Video, DirectCommand, and VNC) are not supported on Mac OS X 10.5.x even with Java Runtime Environment (JRE) version 6.0 installed.

- The RDP Viewer will not work if client machine did not have Microsoft Visual C++ 2010 SP1 Redistributable Package (x86) installed.

- It will be necessary to download the VMware VSphere Client Version(s) 5.1 or above in order to launch the VMware Viewer. The VMware VSphere Client can be downloaded directly from VMware or from a VMware 5.1 Virtual Center/ESXi.

- VMware SSO is not supported

===

7.   Plug-in Information and Versions

===

NOTE: The minimum recommended plug-in versions to be used with this software version are listed in the table that follows.

- Please see the Avocent® Universal Management Gateway appliance plug-in release notes for features affecting this plug-in in this release of DSView™ 4 software. The release notes can be found on the Avocent web site.
- Please use the recommended Virtualization plug-in version with the DSView™ 4 software for support for VMotion and Microsoft VMM. This version of the software supports SCVMM 2008 installed on Windows 2008 R2 and SCVMM 2012 installed on Windows 2012 R2.

Plug-in	Version	Pre-installed/Optional
ACS console server	3.3.5.110830	Pre-installed
ACS 5000 console server	3.3.5.110830	Pre-installed
ACS 6000 console server	2.5.0.5	Pre-installed
Black Box ServSelect IP Appliance	2.0.0.59	Optional
Blade Chassis Support	1.2.0.48	Pre-installed
Dell® Remote Console Switch	2.0.0.73	Optional
Dell Remote Console Switch (1082DS/2162DS/4322DS)	1.14.0.19940	Optional
DSR™ switch	1.2.9.16136	Pre-installed
Fujitsu Technology Solutions KVM s3 Appliance	2.0.0.73	Optional
FW Digital KVM Switch	3.0.0.71	Optional
HP Console Switch G2	1.2.1.14875	Optional
IBM® Console Switch GCM16/32	1.18.0.22007	Optional
IBM Virtual Console	3.1.0.13	Optional
Infrastructure	2.0.0.4	Pre-installed
KVM/net 16	1.2.0.070128	Optional
KVM/net 32	1.2.0.070128	Optional
KVM/netPlus 16	1.2.0.070128	Optional
KVM/netPlus 32	1.2.0.070128	Optional

Plug-in	Version	Pre-installed/Optional
KVM Switch	1.18.0.22007	Optional
Liebert® Rack PDU Support	1.0.0.595	Pre-installed
Liebert® RPC2K Support	1.0.0.153	Pre-installed
MergePoint™ Service Processor Manager	4.6.0.10	Optional
MergePoint SP53xx manager	1.7.0.12	Optional
MergePoint Unity™ KVM over IP and serial console switch	1.18.0.22007	Pre-installed
OnSite branch office appliance	1.2.0.070716	Optional
Avocent® Power Management Distribution Unit (PM PDU)	2.0.1.3	Pre-installed
SERVIS IP-Serial	2.1.0.5	Optional
TS100 terminal server	1.2.1.090427	Optional
TS1000 terminal server	1.2.1.090427	Optional
TS2000 terminal server	1.2.1.090427	Optional
Virtualization	3.0.0.664	Pre-installed
Avocent® Universal Management Gateway appliance	2.6.0.14	Pre-installed

==

8. Viewer Versions

==

Viewer	JAR/EXE	Version	OS Platform
Video Viewer	AvctVideoViewer.exe	3.5.2.2	Win32
Virtual Media	AvctVirtualMedia.exe	3.5.1.7	Win32
VNC Viewer	avctVncViewer.exe	2.1.1.1	Win32
RDP	avctRdpViewer.exe	1.3.0.5	Win32
3rd Party/Serial	AvctSerialViewer.exe	3.6.5.3	Win32
Putty	AvctPuttyTel.exe	3.6.5.3	Win32
Java® Video Viewer	avctvideoviewer.jar	4.16.2.7	Linux/Solaris/Mac

Viewer	JAR/EXE	Version	OS Platform
Java Serial Viewer	avctsshtelnet.jar	4.6.1.18	Linux/Solaris/Mac
Java Virtual Media	avctVM.jar	1.8.0.91	Linux/Solaris/Mac
Java VNC Viewer	avctVncViewer.jar	4.6.2.12	Linux/Solaris/Mac
Java 3rd Party/Serial	serialconsoleviewer.jar	4.6.1.16	Linux/Solaris/Mac